

**Patent claims**

1. A device for regulating the air supply, which regulates the air coming from a filter (2) through a duct (3) to an evaporator (6) with an accumulator function of a motor vehicle, **characterized** in that the duct (3) has three duct branches (5) separated from one another by walls (4) running in the longitudinal direction.
2. The device for regulating the air supply as claimed in claim 1, characterized in that the device (1) has two flaps (7).
3. The device for regulating the air supply as claimed in claim 2, characterized in that the flaps (7) are arranged at the start of the walls (4), as seen in the longitudinal direction.
4. The device for regulating the air supply as claimed in either one of claims 2 and 3, characterized in that, in normal operation, the flaps (7) are oriented in such a way that they close the middle duct branch (5).
5. The device for regulating the air supply as claimed in claim 4, characterized in that the flaps (7) bear on one another upstream of the middle duct branch (5), as seen in the longitudinal direction, and form an acute angle with one another.
6. The device for regulating the air supply as claimed in one of claims 2 to 5, characterized in that, in maximum cooling operation, the flaps (7) are oriented in such a way that they prolong the respective wall (4).
7. The device for regulating the air supply as claimed in one of claims 2 to 6, characterized in that,

in stopped-engine operation, the flaps (7) are oriented in such a way that they close the outer duct branches (5).

- 5 8. The device for regulating the air supply as claimed in claim 7, characterized in that the flaps (7) are arranged at an angle of  $90^{\circ} \pm 10^{\circ}$  to the corresponding walls (4).
- 10 9. The device for regulating the air supply as claimed in one of claims 2 to 8, characterized in that the two flaps (7) can be controlled in such a way that they make available three different types of cooling operation as a function of their position.